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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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IBM CORPORATION - DEPT. 917
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EXAMINER

NGUYEN, TRONG NHAN P

ART UNIT PAPER NUMBER

2152

DATE MAILED: 11/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/932,615

Applicant(s)

HARTMANN ET AL.

Examiner

Jack P Nguyen

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-106 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-106 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/17/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-106 are being examined.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-12, 17-20, 22-43, 48-82, 87-99, and 104-106 are rejected under 35 U.S.C. 102(e) as being anticipated by Boe et al, 6,122,276 (Boe hereafter).

As per claim 1, Boe teaches a method for processing a client session request (line A, fig. 4), comprising the steps of: negotiating environment parameters for establishing a connection-oriented connection with said client (line B, fig. 4, col. 4, lines 30-32); inviting said client to submit user variables (line C, fig. 4; *client submits user variables to server; user variables include PSID, Power on, Location address=x, model=m1, etc*); responsive to receiving a user variable requesting a custom confirmation record, sending to said client a confirmation record (line D, fig. 4; *host sends a confirmation response to requesting client via the server to signify a connection*) and custom record data (line E, fig. 4, col. 5, lines 25-28; *in response to the client request, host sends custom record data (local address x) to client, thus forming a custom confirmation record*).

Claim 18 is rejected for similar reasons as claim 1 addressed above. Boe further teaches client (14, fig. 1)/server (18, fig. 1) system; a user exit program running on said server (abstract); said client operating in conjunction with said user exit program for requesting said custom confirmation record (lines A and B, fig. 4).

As per claims 2 and 3, Boe teaches negotiating, inviting, and sending steps executing within the application layer of a TCP/IP protocol stack (col. 3, line 25); the step responsive to a user variable requesting a confirmation record, sending to said client a confirmation record without said custom record data (line H, fig. 3, col. 3, lines 32-33; *host sends default acknowledgement response to client via server*).

Claims 4-6 are rejected for similar reasons as claims 1-3. Boe further teaches confirmation record including a field defining a pass through data length, said pass through data including said confirmation record and said custom record data (RU, fig. 2, col. 4, lines 38-40, lines 64-66; col. 5, lines 7-10, lines 25-28; *RU {Request/Response Unit} field includes subfields that indicate various data parameters of the request/response packet*); appending said custom record data to said confirmation record (line E, fig. 4; *in addition to default response stated in claims 2-3 above, updated response also includes custom record data x*).

Claims 7-8 are rejected for similar reasons as claims 1 and 4-6. Boe further teaches request being for a defined custom confirmation record, said request including a list of one or more predefined information items (local address x), further comprising the step of sending to said client defined data in said custom record data (line E, fig. 4).

As per claims 9-12 and 17, Boe teaches providing in said custom record data

indicia identifying a device, terminal, associated device (line C, fig. 4; device model=m1) allocated by a host server; physical location (line C, fig. 4; local address=x) for receiving output; and custom information for interpretation by said client (col. 5, lines 25-29; host sends custom response record to client.)

As per claim 19, Boe teaches client being a Telnet client (col. 1, line 40).

Claims 20 and 22 are rejected for similar reasons as claims 1-8 and 18 addressed above.

Claims 23, 32, 49, 58, 63, 71, 88, 105, and 106 are rejected for similar reasons as claim 1 addressed above. Boe further teaches negotiating environment parameters for establishing a connection-oriented connection with said server (lines B, C, fig. 4; *environment parameters include PSID, Power on, LocAddr=x, etc.*)

Claims 33-34, 59-60, 64-65, 72-73, 89-90 are rejected for similar reasons as claims 2-3 above.

Claims 35-37, 61-62, 66-68, 74-76, 91-93 are rejected for similar reasons as claims 4-6 above.

Claims 38-39, 69-70, 77-78, 94-95 are rejected for similar reasons as claims 7-8 above.

Claims 40-43, 48, 79-82, 87, 96-99, and 104 are rejected for similar reasons as claims 9-12 and 17 above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-16, 21, 44-47, 83-86, 100-103 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boe et al, 6,122,276 (Boe hereafter) in view of Green et al, 6,003,084 (Green hereafter).

As per claims 13-16, Boe teaches the client negotiating with the host to establish a connection (line B, fig. 4). Boe further teaches plurality of new clients trying to log on and negotiating with the host for service connection (lines M, N, fig. 4). Boe does not specifically disclose providing in custom record data indicia identifying system security level and password encryption requirements, another device for retrying a rejected request, a reason for a failed auto-signon request, and a reason for denial of session connection request upon system overload and redirection to an alternate time or host. Green discloses the host identifies user credentials and authentication requirements such as valid userid and password or other cryptographic signatures before establishing a connection (col. 2, lines 61-65). Furthermore, it is well known in the art for a client to try to re-log after a failed request or the system sends a reply to the client with a reason for failed log-on, e.g, incorrect username or password, system is overloaded or busy or try later, or redirect the client to an alternate server, etc. Hence, it would have been obvious to one of ordinary skill in the art modify and combine the teachings of Boe and Green to incorporate security parameters to protect the system from unauthorized

Art Unit: 2152

access, identify potential intruders trying to access the system without proper privileges, and inform the users of failed log-ons so the users can contact proper authorities for proper access privileges or try to log-on an alternate server when the system is busy or overloaded.

Claims 21, 44-47, 83-86, 100-103 are rejected for similar reasons as claims 13-16 addressed above.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Nguyen, 6,502,192; Meyers et al, 5,937,159 ; Bolton et al, 6,128,662 ; Meriwether et al, 5,931,913 ; Xu et al, 6,151,628 ; Stockwell et al, 5,950,195 ; Fink, 6,289,463 ; Murphy et al, 6,076,110 ; Vilhuber, 6,470,453

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack P Nguyen whose telephone number is (571) 272-3945. The examiner can normally be reached on M-F 8:30-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess can be reached on (571) 272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jpn



Dung C. Dinh
Primary Examiner